KOLOSOV, M.I., kand.tekhn.mauk; STROCANOV, A.I., kand.tekhn.mauk; KEYS, inzh.; BOGATENKOV, V.F., kand.tekhn.mauk; VINSHTEYN, O.Ya., inzh.; DANILOV, A.M., inzh.; ZVEREV, B.F., inzh.; ANTROPOVA, N.G., inzh.; KHRYUKINA, V.A., inzh.

Use of silicon-chromium in open-hearth smelting of steel. Stal! 20 (MIRA 14:5)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii; Chelyabinskiy i Zlatoustovskiy metallurgicheskiye zavody. (Steel-Metallurgy) (Silicon-chromium alloys)

KEYS, N.V.; VAYNSHTETN, O.Ya.; KHRYUKINA, V.A.

Making arle steel in high-capacity open-hearth furnaces.
Metallurg 5 mo.8:16-18 Ag '60. (MIRA 13:7)

1. Chelyabinskiy metallurgicheakiy savod.
(Open-hearth furnaces) (Steel--Metallurgy)

SIMONOV, K.V.; UZBRRG, A.I.; VAYNSHTRYN, O.Ya.

For a successful realization of the resolutions of the July Plenum of the Central Committee of the CPSU.

Ogneupory 25 no.9:389-397 60. (MIRA 13:8)

1. Vostochnyy institut ogneuporov (for Simonov). 2. Zavod "Magnezit" (for Uzberg). 3. Chelyabinskiy metallurgicheskiy zavod (for Vaynshteyn).

(Dolomite)

SOV/137-59-5-9855

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, p 55 (USSR)

AUTHORS:

Morozov, A.N., Stroganov, A.I., Vaynshteyn, O.Ya.

TITLE:

Preliminary Deoxidation of Low Carbon Open-Hearth Steel

PERIODICAL:

Metallurg. Yuzhn. Urala (Sovnarkhoz Chelyab. adm. r-na),

1958, Nr 1 (2), pp 11 - 17

ABSTRACT:

Experimental smelts were carried out by the scrap-ore process with a cast-iron content in the charge of 65 - 70% and 100- and 180-ton furnaces (at the Chelyabinsk Metallurgical Plant) and in 185- and 380-ton furnaces at the MMK. The "10 tr" steel grade was investigated at the ChMZ and steels with 0.10 - 0.20%C were examined at MMK. Of 45 experimental smelts, 23 smelts were deoxidized in the furnace by the blast furnace Fe-Si, introduced into the furnace in order to obtain metal with 0.18 - 0.20 Si (ChMZ) or 0.10 - 0.15% Si (MMK). In the ladle the metal was deoxidized by 45% Fe-Si and a constant Al amount. Moreover, data of industrial control were used, obtained from "10 tr" steel smelts, deoxidized and not deoxidized by the blast furnace Fe-Si

Card 1/2

SOV/137-59-5-9855

Preliminary Deoxidation of Low Carbon Open-Hearth Steel

in the furnace (ChMZ) and also from smelts deoxidized by the blast furnace Fe-Si and Si-Mn (MMK). It was stated that the duration of smelts deoxidized in the furnace by the blast furnace Fe-Si was longer by 20 minutes than smelts deoxidized by Fe-Mn or Si-Mn only. The use of the blast furnace Fe-Si reduces the consumption of more expensive deoxidizers (Fe-Mn by 20%; 45% Fe-Si by 10 - 30%). Deoxidation of the metal in the furnace by Fe-Mn only impairs steel smelting with a prescribed [C] and [MN] content. [0] in the ladle was 0.006 to 0.012%, independent of the deoxidation variant. The content of non-metallic impurities and AloO3 content is higher, if the metal is deoxidized in the furnace by Fe-Mn only; this has no substantial effect on the quality of killed carbon steel. The macrostructure and mechanical properties do not depend on the deoxidation variant. If the metal is deoxidized in the furnace by Fe-Mn only, the cost price of 1 ton of steel is by 2.44 (ChMZ) and 2.87 rubles (MMK) lower than in deoxidation by blast-furnace . In low carbon killed steel smelting any of the described methods of preliminary deoxidation may be used, from the point of view of steel quality.

V.G.

Card 2/2

KCROLHV, A.I.; BLINOV, S.T.; HIBENETS, I.A.; KCBURNEYEV, I.M.; TURUBINER,

A.L.; VASIL'YEV, S.V.; CHERNENKO, M.A.; BELOV, I.V.; TELESOV, S.A.;

MAZOV, V.F.; MEDVEDEV, V.A.; MAL'KOV, V.G.; BUL'SKIY, M.T.;

TRUBETSKOV, K.M.; SHNEYEROV, YA.A.; SLADKOSHTEYEV, V.T.; PALANT,

V.I.; KUROCHKIN, B.N.; ZHDANOV, A.M.; BELIKOV, K.N.; SABIYEV,

M.P.; GAMBUZ, G.A.; PODGOMETSKIY, A.A.; ALFEROV, K.S.; NOVOLODSKIY,

M.P.I.; MOROZOV, A.N.; VASIL'YEV, A.N.; MARAKHOVSKIY, I.S.; MALAKH,

P.I.; MOROZOV, A.N.; VASIL'YEV, A.N.; MARAKHOVSKIY, I.S.; MALAKH,

A.V.; VERKHOVTSEV, E.V.; AGAPOV, V.F.; VECHER, N.A.; PASTUKHOV, A.I.;

BORODULIN, A.I.; VAYNSHTEYN, O.YA.; ZHIGULIN, V.I.; DIKSHTEYN, Ye.I.;

KLIMASENKO, L.S.; KOTIN, A.S.; MOLOTKOV, N.A.; SIVERSKIY, M.V.;

ZHIDETSKIY, D.P.; MIKHAYLETS, N.S.; SIKFKANEV, P.N.; ZAVODCHIKOV,

N.G.; GUDEMCHUK, V.A.; NAZAROV, P.M.; SAVOS'KIN, M.Ye.; MIKOLAYEV,

Reports (brief annotations). Biul. TSNIICHM no.18/19:36-39 57. (MIRA 11:4)

1. Magnitogorskiy metallurgicheskiy kombinat (for Korolev, Belikov, Agapov, Dikshteyn). 2. Kuznetskiy metallurgicheskiy kombinat (for Agapov, Vasil'yev, A.N., Boroduliz, Klimasenko). 3. Chelyabinskiy Blinov, Vasil'yev, A.N., Boroduliz, Klimasenko). 4. Zavod im. metallurgicheskiy zavod (for Inbene's, Vaynshteyn). 4. Zavod im. Dzherzhinskogo (for Koburneyev). 5. Zavod "Zaporozhstal'" (for Dzherzhinskogo (for Koburneyev). 5. Zavod "Zaporozhstal'" (for Turubiner, Mazor, Podgoretskiy, Marakhovskiy, Savos'kin). 6. Makeyevskiy metallurgicheskiy zavod (for Vasil'yev, S.V., Mal'kov, Zhidetskiy, Al'ferov). 7. Stal'proyekt (for Chernenko, Mal'kov, Zhidetskiy, Al'ferov). 7. Stal'proyekt (for Chernenko, Zavodchikov). 8. VNIIT (for Belov). 9. Stalinskiy metallurgicheskiy zavod (for Telesov, Malakh). (Continued on next card)

KORCLEV, A.I. -- (continued) Card 2.

10. Hizhne-Tegil'skiy metallurgichsekiy kombinat (for Medvedev, Novolodskiy, Vecher). 11. Zavod "Azovstal'" (for Bul'skiy, Slepkanev). 12. TSentral'nyy nauchno-issledovatel'skiy institit chernoy metallurgii (for Trubstskov). 13. Ukrainskiy institit metallurgii (for Trubstskov). 13. Ukrainskiy institut metallurgii (for Palant). 15. Vsesoyuznyy nauchno-issledo-"Krasnyy Oktyabr'" (for Palant). 15. Vsesoyuznyy nauchno-issledo-"Krasnyy institut metallurgicheskoy teplotekhniki (for Kurochkin). vatel'skiy institut metallurgicheskoy teplotekhniki (for Kurochkin). 16. Zavod im. Voroshilova (for Schiyev). 17. Chelyabinskiy politekhnicheskiy institut (for Morozov). 18. Giprostal' (for Carbuz). tekhnicheskiy institut chernykh metallur (for Pastukhov). 20. Zavod 19. Ural'skiy institut chernykh metallur (for Pastukhov). 20. Zavod im. Petrovskogo (for Zhigulin). 21. Ministerstvo chernoy metallurgii USSR (for Moločkov, Siverskiy). 22. Glavspetsstal' Ministerstva chernoy metallurgii SSSR (for Nikolayev).

MOROZOV, A.N.; CHIRKOV, N.A.; FIRSOV, S.G.; KRASHCHENKO, L.S.; Prinimali uchastiye: RISPEL, K.N.; VAYNSHTEYN, O.Ya.; BUSHUYEV, A.P.; SNEZHKO, B.Ya.; MEL'NICHENKO, A.A.; ZHURAVLEV, V.M.

Alloying open-hearth steel with exothermic ferroslloys in the ladle. Stel! 25 no.5:412-414 My '65. (MIRA 18:6)

BARTASHEV, L.; SHKLOVSKIY, Ya.; VAYNSHTEYN, P.; SOKOLINSKIY, P.

Textbook for correspondence students of economical institutes ("Organization and planning of machinery plants" E.G. Liberman and others). Reviewed by L. Bartashev and others.

Mashinostroitel' no.6:46 Je '61. (MIRA 14:6)
(Liberman, E.G.)(Zviagintsev, IU.E.) (Zolotarev, A.N.)
(Kononenko, V.V.) (Makarova, G.M.) (Oleinik, S.U.)
(Industrial management)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859120011-3"

VAYNSHTEYN, P.R., kand.biologicheskikh nauk; IEUSHIN, P.I., kand.tekhn.nauk; SHAFIR, A.I., doktor med.nauk

Physiohygienic principles of permissible levels of noise intensity in multistory apartment houses. Gig. i san. 25 no.3:23-29 Mr '60.

1. Iz Instituta radiatsionnoy gigiyeny Ministerstva zdravookhraneniya

(APARTMENT HOUSES-SANITATION) (NOISE)

CIA-RDP86-00513R001859120011-3" APPROVED FOR RELEASE: 08/31/2001

t. 28010-66 EWT (m) SOURCE CODE: UR/0241/65/010/012/0030/0034 ACC NR. AP6018198 23 AUTHOR: Liberman, A. N.; Vaynshteyn, P. R.; Krisyuk, E. M.; Tikhomirova, M. D. ORG: Loningrad Scientific Research Institute of Radiation Hygiene, Ministry of Public Health, RSFSR (Leningradskiy nauchno-issledovatel skiy institut radiatsionnoy gigiyeny Ministerstva zdravookhranemiya RSFSR) TITLE: Characteristics of radiation sickness induced by soft rays SOURCE: Meditsinskaya radiologiya, v. 10, no. 12, 1965, 30-34 TOPIC TAGS: radiation sickness, mouse, xray irradiation, blood, radiation biologic effect ABSTRACT: The object of the experiments described in this article was to determine the effect of a single sublethal dose of soft rays on the skin, body weight, and leukocyte index of the peripheral blood of irradiated mice. Albino mice of both sexes and 24 to 29 grams in weight were used in the experiments. All of the experimental animals were subjected to the faction of x-rays administered in a dose of 4,130 r. A distinct picture of radiation sickness developed in all of the animals, characterized by clearly visible lesions of the skin layers; a decrease in weight averaging 26 percent for the females and 20 percent for the males by the 21st day after the irradiation; a sharp increase in the leukocyte count of the peripheral UDC: 617-001.26-092

- 1 1	blood. Observa	tions establish	ed that the los	ss of weight and	i the increas	16 15-
	in the leukocyt	e count of the	berthierar pro-	for the prepied	that they ma	y
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VAYNSHTEYN, PR

69

PHASE I BOOK EXPLOITATION

BOY/5435

Kiselev, P. H., Professor, G. A. Gusterin, and A. I. Strashinin, Eds.

Voprosy radiobiologii. t. III: Sbornik trudov, posvyashchennyy 60-letiyu so dnya rozhdeniya Professora M. N. Pobedinskogo (Problems in Radiation Biology. v. 3: A Collection of Works Dedicated to the Sixtieth Birthday of Professor M[khail] N[ikolayevich] Pobedinskiy [Doctor of Medicine]) Leningrad. Tsentr. n-issl. in-t med. radiologii M-va zdravookhrananiya SSSR, 1960. 422 p. 1,500 copies printed.

Tech. Ed.: P. S. Peleshuk.

PURPOSE: This collection of articles is intended for radiobiologists.

COVERAGE: The book contains 49 articles dealing with pathogenesis, prophylaxis, and therapy of radiation diseases. Individual articles describe investigations of the biological effects of radiation carried out by workers of the Central Scientific Research Institute for Medical Radiology of the Ministry of Public Health, USSR. [Tsentral'nyy nauchno-issledovatel'skiy institut meditsinskoy radiologii Ministerstva zdravookhraneniya SSSR] during 1958-59. The following

Card 1/10

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	. Problems in Radiation Biology (Cont.)	807/5435	
	topics are covered; various aspects of primal course of some metabolic processes in animals reactions in irradiated organisms; morphologi- and reparation and regeneration of tissues in articles give attention to the effectiveness o No personalities are mentioned. References a	c changes in radiation dise jured by irradiation. Some	ase;
	TABLE OF CONTENTS:		3
	Foreword	washed Wikoleverich	
}	Gusterin, G. A., and A. I. Strashinin. Professor Pobedinskiy (Commemorating his Sixtieth Birthday		5
	Lebedinskiy, A. V. [Member, Academy of Medical & N. I. Arlachchenko, and V. M. Mastryukova. On the Disturbances Due to Ionizing Radiation		n
	Zedgenidze, G. A., [Member, Academy of Medical Scherbin, K. V. Ivanov, and P. R. Vaynshteyn. He Adrenal Cortex in Acute Radiation Bickness and corticosterone Acetate on the Disease	ciences USSR], Ie. A. ormonal Activity of the the Effect of Desoxy-	17
	Card 2/10		
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LIBERMAN, A.N.; VAYNSHTEYN, P.R.; KRISYUK, E.M.; TIKHOMIROVA, M.D.

Characteristics of radiation sickness caused by the effect of soft X rays. Med. rad. 10 no. 12:30 34 D '65 (MIRA 19:1)

1. Leningradskiy mauchmo-issledovatel'skiy institut radiatsionnoy gigiyeny Ministerstva zdravcokhraneniya RSFSR.

AUTHOR: Baranov, M. S. (Candidate of technical sciences); Afanas'yev, V. N. (Engineer); Voshchinskiy, M. L. (Engineer); Vaynshteyn, R. M. (Engineer); Nedel'chik, E. V. (Engineer); Taganov, Yu. I. (Engineer); Geynrikhs, I. N. (Engineer)  ORG: All-Union Extramural Machine Building Institute (Vsesoyuznyy zaochnyy mashinostroitel'nyy institut)  TITLE: Laser welding of some metals  SOURCE: Svarochnoye proizvodstvo, no. 7, 1966, 1-3  TOPIC TAGS: laser application, laser welding / SU-1 laser welder, 1KhlensT steel, KO steel  ABSTRACT: The results of laser welding of fillet joints of copper and L-62 silver coated brass with 1KhlensT steel, KO'steel and copper are presented. The SU-1 laser welder (shown in photograph) was used to weld thin wires [d < 0.1 mm] attached to semiconductive and microelectronic devices. The unit power input is regulated by adjusting various object lenses with focal distances of 10, 20, 40, and 50 mm. Unit power input is calculated by the formula g = W <sup>2</sup> /tF where W <sup>2</sup> is the energy of radiation considering the losses in the optic system in joules; t is the pulse time in sec and F is the focal area in cm <sup>2</sup> . The weld penetration and width are proportional to the maximum volt—  UDC: 621.791.72:535.14:669.15-194  Cord 1/2	,	L 03011-67 FWT(d)/FWP(w)/T/FWP(t) ETT/ENF(k)/FWP(h)/FWP(l) ACC NR: AP6023435 JD/HM SOURCE CODE: UR/0135/66/000/007/0001/0003
TITLE: Laser welding of some metals  SOURCE: Svarochnoye proizvodstvo, no. 7, 1966, 1-3  TOPIC TAGS: laser application, laser welding / SU-1 laser welder, lkhlsnst steel, KO steel  ABSTRACT: The results of laser welding of fillet joints of copper and L-62 silver coated brass with lkhlsnst steel, KO steel and copper are presented. The SU-1 laser welder (shown in photograph) was used to weld thin wires [d < 0.1 mm] attached to semiconductive and microelectronic devices. The unit power input is regulated by adjusting various object lenses with focal distances of 10, 20, 40, and 50 mm. Unit power input is calculated by the formula $g = W^2/tF$ where $W^2$ is the energy of radiation considering the losses in the optic system in joules; $t$ is the pulse time in sec and $F$ is the focal area in cm <sup>2</sup> . The weld penetration and width are proportional to the maximum volt-  UDC: 621.791.72:535.14:669.15-194		neer); Voshchinskiy, M. L. (Engineer); Vaynshteyn, K. N. (Engineer), Medel Silvi, M. (Engineer); Taganov, Yu. I. (Engineer); Geynrikhs, I. N. (Engineer)
SOURCE: Svarochnoye proizvodstvo, no. 7, 1966, 1-3  TOPIC TAGS: laser application, laser welding / SU-1 laser welder, 1Kh18N9T steel, KO steel  ABSTRACT: The results of laser welding of fillet joints of copper and L-62 silver coated brass with 1Kh18N9T steel, KO steel and copper are presented. The SU-1 laser welder (shown in photograph) was used to weld thin wires $[d < 0.1 \text{ mm}]$ attached to semiconductive and microelectronic devices. The unit power input is regulated by adjusting various object lenses with focal distances of 10, 20, 40, and 50 mm. Unit power input is calculated by the formula $g = W^2/tF$ where $W^2$ is the energy of radiation considering the losses in the optic system in joules; $t$ is the pulse time in sec and $F$ is the focal area in cm <sup>2</sup> . The weld penetration and width are proportional to the maximum volt-  UDC: 621.791.72:535.14:669.15-194		stroitel'nyy institut) ///
TOPIC TAGS: laser application, laser welding / SU-1 laser welder, 1Kh18N9T steel, KO steel  ABSTRACT: The results of laser welding of fillet joints of copper and L-62 silver coated brass with 1Kh18N9T steel, KO steel and copper are presented. The SU-1 laser welder (shown in photograph) was used to weld thin wires $[d < 0.1 \text{ mm}]$ attached to semiconductive and microelectronic devices. The unit power input is regulated by adjusting various object lenses with focal distances of 10, 20, 40, and 50 mm. Unit power input is calculated by the formula $g = W^2/tF$ where $W^2$ is the energy of radiation considering the losses in the optic system in joules; $t$ is the pulse time in sec and $F$ is the focal area in cm <sup>2</sup> . The weld penetration and width are proportional to the maximum voltage.		TITLE: Laser welding of some metals 4
ABSTRACT: The results of laser welding of fillet joints of copper and L-62 silver coated brass with 1Kh18N9T steel, KO steel and copper are presented. The SU-1 laser welder (shown in photograph) was used to weld thin wires $[d < 0.1 \text{ mm}]$ attached to semiconductive and microelectronic devices. The unit power input is regulated by adjusting various object lenses with focal distances of 10, 20, 40, and 50 mm. Unit power input is calculated by the formula $g = W^2/tP$ where $W^2$ is the energy of radiation considering the losses in the optic system in joules; $t$ is the pulse time in sec and $P$ is the focal area in cm <sup>2</sup> . The weld penetration and width are proportional to the maximum voltable.		
ed brass with 1Kh18N9T steel, KO steel and copper are presented. In So 2 2000 level (shown in photograph) was used to weld thin wires $[d < 0.1 \text{ mm}]$ attached to semiconductive and microelectronic devices. The unit power input is regulated by adjusting various object lenses with focal distances of 10, 20, 40, and 50 mm. Unit power input is calculated by the formula $g = W^2/tF$ where $W^2$ is the energy of radiation considering the losses in the optic system in joules; $t$ is the pulse time in sec and $F$ is the focal area in cm <sup>2</sup> . The weld penetration and width are proportional to the maximum voltable.		KO steel
	7	ed brass with 1Kh18N9T steel, KO steel and copper are presented. The So 2 2005 are (shown in photograph) was used to weld thin wires $[d < 0.1 \text{ mm}]$ attached to semiconductive and microelectronic devices. The unit power input is regulated by adjusting various object lenses with focal distances of 10, 20, 40, and 50 mm. Unit power input various object lenses with focal distances of 10, 20, 40, and 50 mm. Unit power input is calculated by the formula $g = W^2/tF$ where $W^2$ is the energy of radiation considering is calculated by the formula $g = W^2/tF$ where $W^2$ is the energy of radiation considering is calculated by the formula $g = W^2/tF$ where $W^2$ is the energy of radiation considering in calculated by the formula $g = W^2/tF$ where $W^2$ is the energy of radiation considering
Card 1/2		UDC: 621.791.72:535.14:669.15-194
		Card 1/2

L 03011-67, ACC NR: AP6023435

age of the condenser battery. This relationship is shown in a table for USA steel where focal distance is 20 mm. Another test was carried out on strips of USA steel with a thickness of 2.6 mm (surface condition of the 10th class in accordance with GOST 2789-59) in order to determine the relationship between width and penetration of the welds and the defocusing. These tests showed that when  $\Delta f = 0.75$ , the weld penetration was max  $h = 22 \mu$ . Overlap welding was carried out on copper with L-62 brass, with non-coated brass, 1Kh18N9T stainless steel, KO low-carbon steel and finally on copper wires. Without stripping the insulation [M1] copper wire of d = 0.05 mm was welded to a silver-coated brass rod of d = 0.5 mm. Neither of these specimens showed cracks in the welds. However, microporosity was indicated in some of the specimens. Shear strength tests of the welds were carried out on two types of welds: without stripping the insulation from the copper wire and with bare wire. The first specimens had an average shear strength of 25.3 kg/mm<sup>2</sup> while for the second typepe, a shear strength of 26 kg/mm<sup>2</sup>. The small difference makes it feasible to recommend this welding process without stripping the insulation. A comparative test of the laser-welded and brassed joints was made. The latter showed an average strength 13% less than the welded joints. The authors conclude that the laser-welded joints have considerably better mechanical properties than the soldered joints. This is due to the smaller heat-affected zone. Orig. art. has: 6 figures, 1 table.

SUB CODE: 13,20/ SUBM DATE: none Joining of dissimilar metals 14

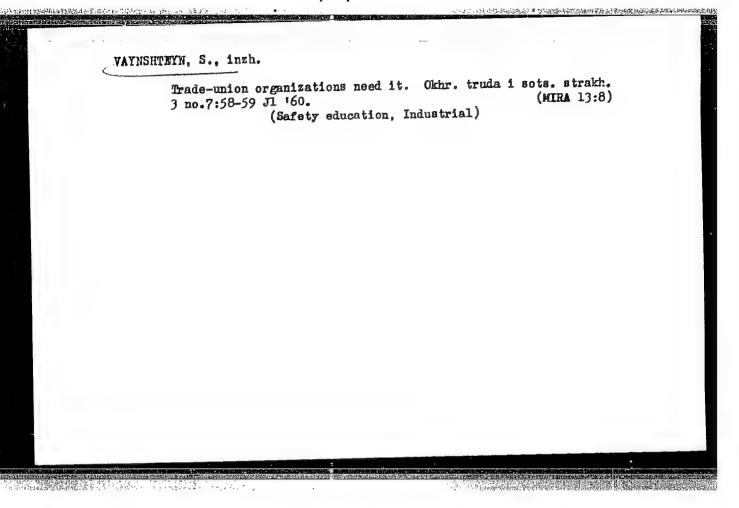
Card 2/2 awm

BARAMBOYM, N.K., doktor khim. nauk. prof.; VAYNSHTEYN, R.Ya., inzh.

Increasing the stiffness of clothing elements. Hauch. trudy
MTILP no.24:53-57 162. (MIRA 16:7)

1. Kafedry fizicheskoy, kolloidnoy khimii i tekhnologii shweynykh izdeliy Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.

(Textile finishing) (Rubber, Synthetic)

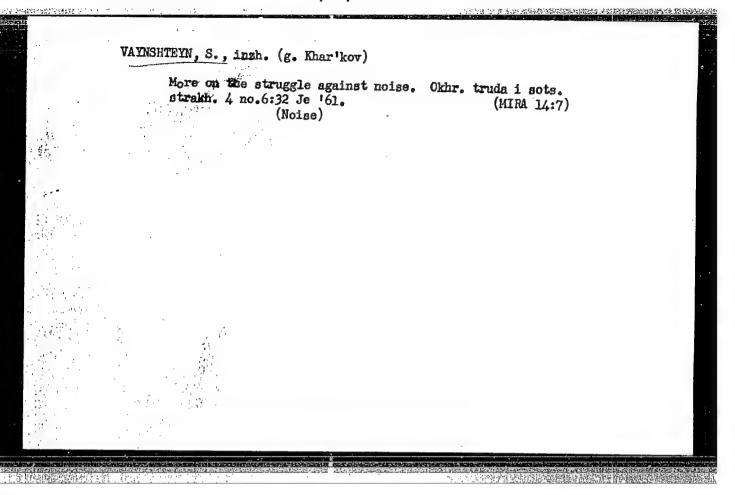


### VAYNSHTEYN, S.

1. 经基础的基础的基础的基础的基础的。

Don't disarm the student! Pozh.delo 10 no.2:25 F '64. (MIRA 17:3)

1. Predsedatel' soveta prepodavateléy osnov tekhniki bezopasnosti i protivopozharnov tekhniki pri Khar'kovskom promyshlennom oblastnym sovetom professional'nykh soyuzov.



VAYNSHTEYN, S., prepodavatel' "Osnov tekhniki bezopasnosti"

The engineers and industrial safety. Sov. profsoiuzy 18 no.8: 38 '62. (MIRA 15:4)

Excerpts from their reports;
"Carbinal Cement and Its Use In Tool
Production", Stanki 'Instrument, 14,
No. 4-5, 1943
Stalin Prize Winners
BR-52059019

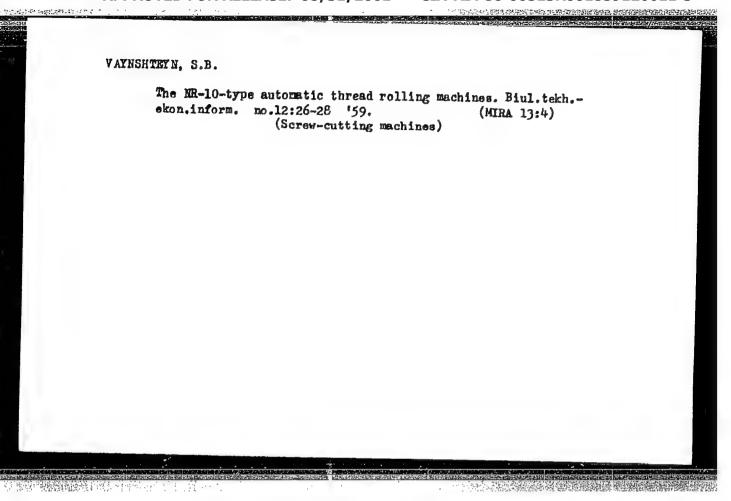
GIANTS, R.M., starshiy nauchnyy sotrudnik; VAYNSHTEYN, S.A.; LEKAREV, S.A.

Determination of prothrombin in blood collected from a finger.

Vop.perel.krovi 4:270-273 \*55.

(BLOOD—EXAMINATION) (PROTHROMBIN)

(BLOOD—EXAMINATION)



(1) 12 ではなどなどというできる中ではないない。

94-2-10/27

VAYNSHTEYN, S.E.

AUTHOR:

Vaynshteyn, S.E. (Engineer) & Lotarev, M.I. (Engineer).

Midden installation of wiring for electric lighting in ducts of TITLE: (Skrytaya prokladka provodov

structural elements elektroosveshcheniya v kanaloprovodakh stroitel nykh elementov.)

Promyshlennaya Energetika, 1958, Vol.13. No.2. pp.23-25 (USER) PERIODICAL:

At present, large blocks and panels are widely used in the construction ABSTRACT:

of dwelling houses, built to standard plans, but the plans have not rationalised the electric wiring systems. In flats, the projects provide for wiring in steel or glass conduit set in chasings which are then covered with plaster: alternatively, open wiring is used. However, wiring in ducts within the blocks and panels used for the structure would be preferable. Methods of making such ducts in foam concrete are described and illustrated in Figs. 1 & 2. A proposed method of wiring is illustrated schematically in Fig.3. Wiring in ducts has been insulated with P.V.C; natural rubber insulation is now also permitted. During construction the wiring is put in one storey at a time, immediately after fitting the blocks and panels. An estimate is given for the proposed method of wiring, which is claimed to be cheap. A factory in Pervoural'sk demonstrated

the possibility of casting both large blocks and comparatively thin

panels of foam concrete with internal spaces for electric wiring.

There are 3 figures. Card 1/2

### "APPROVED FOR RELEASE: 08/31/2001

### CIA-RDP86-00513R001859120011-3

94-2-10/27

Hidden installation of wiring for electric lighting in ducts of structural elements

ASSOCIATION: The Sverdlovsk Division of the State Designing Institute
Tyazhpromelektroproyekt. (Sverdlovskoye Otdeleniye GPI)

AVAILABLE: Library of Congress.

 Prefabricated buildings-Electric wiring 2. Electric cables-Installation 3. Electric cables-Applications

Card 2/2

VAYNSHTEYN, S.E., inzh.; LOTAREV, M.I.

Installing electric wiring in wall block and panel channels.
Nov. tekh. i pered. op. v stroi. 20 no.2:19-21 P '58.

(Electric wiring)
(Building blocks)

(MIRA 11:2)

VAYNSHTEYN, S.G., otv. red.; MOSKALENKO, N., red.; GUTMAN, A., tekhn.

[Technical development of industry in Kaliningrad Province] K tekhnicheskomu progressu promyshlennosti Kaliningradskoi oblasti. Kaliningrad, Kaliningradskoe knizhnoe izd-vo, 1961. 93 p.

(MIRA 14:10)

(Kaliningrad Province-Industry)

KOLODYAZHNYY, Vasiliy Il'ich; KOSTKYUKOVA, K.Yu., doktor biol. nauk, prof., otv. red.; VAYNSHTEYN, Sh.I., red.

[Methodological problems in the works of K.A.Timiriazev and the problems of modern biology] Voprosy metodologii v trudakh K.A.Timiriazeva i problemy sovremennoi biologii. Kiev, Naukova dumka, 1965. 249 p. (MIRA 18:9)

of	ortcomings in the Mikoian C '57.	the operation ombine. Kons	of the dietetic .i ov.prom. 1	products section 2 no.6:11-13 (MIRA 10:7)
		(Ontmeal)		

# "Tuvinskoye shamanstvo." report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences Moscow, 3-10 Aug 64.

Modern 154.	stone-carvi (Sculpture,	e Tuvinians.	Sov.etn. no. (MLRA	3:31-37 7:11)	

UL'YANOVA, Nina Nikola evna [Ul'ianova, E.M.]; KORETOKIY, V.M. [Korets'kyi, V.M.], akademik, otv. red.; VAYROHTEYE, Sh.I., red.

[The International Labor Organization and its conventions]
Mizhnarodna organizatslia pratsi ta ii konventsii. Kyiv,
Naukova dumka, 1964. 110 p. (MIRA 17:9)

1. Akademiya nauk Ukr. SSR (for Koratskiy).

DIMOV, L.D.; PECHATNOV, A.V.; VAYNSHTEN, Sh.I.; POGORELKO, M.P.

Drying and calcinating furnace for electrodes. Prom.energ. 15 no.5:19-21 My 160. (MIRA 13:7) (Electric furnaces) (Electrodes)

DYSHLEVYY, P.S., red.; PETROV, A.Z., red.; VAYNSHTEYN, Sh.I., red.

[Philosophical problems in Einstein's theory of gravitation and in relativistic cosmology] Filosofskie problemy teorii tiagoteniia Einshteina i reliativistskoi kosmologii. Kiev, Naukova dumka, 1965. 330 p. (MIRA 18:12)

1. Sovetskaya gravitatsionnaya komissiya. 2. Kazanskiy gosudarstvennyy universitet (for Petrov). 3. Institut filosofii AN Ukrainskoy SSR (for Dyshlevyy).

ullian wan ei st

VAYNSHTEYN, S.L. (Khar'kov).

Prothrombin test of liver function in industrial poisoning.
Gig.truda i prof. zab. 2 no.5141-45 S-0 '58 (MIRA 11:11)

1. Institut giglyeny truda i prof. zabolevaniy.
(LIVER)
(PROTHROMBIN)
(INDUSTRIAL TOXICOLOGY)

VAYNSHTEYH, S.L.

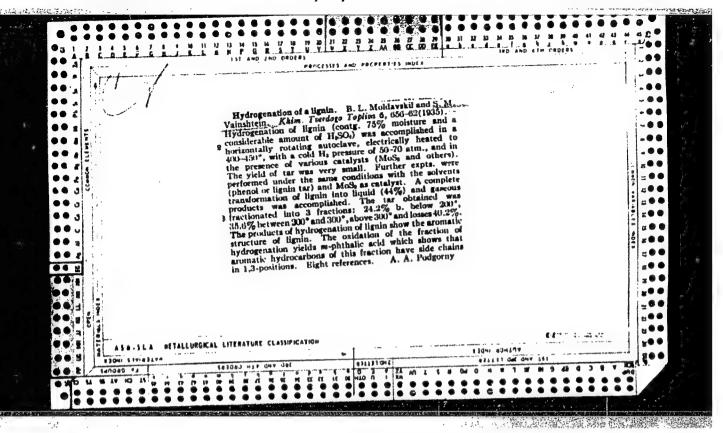
Prothrombin function of the liver in industrial manganese poisoning.

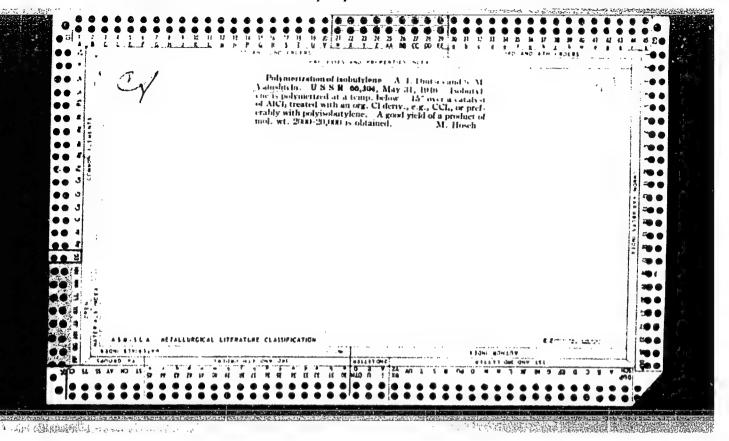
Vrach.delo no.3:297-298 Mr 58 (MIRA 11:5)

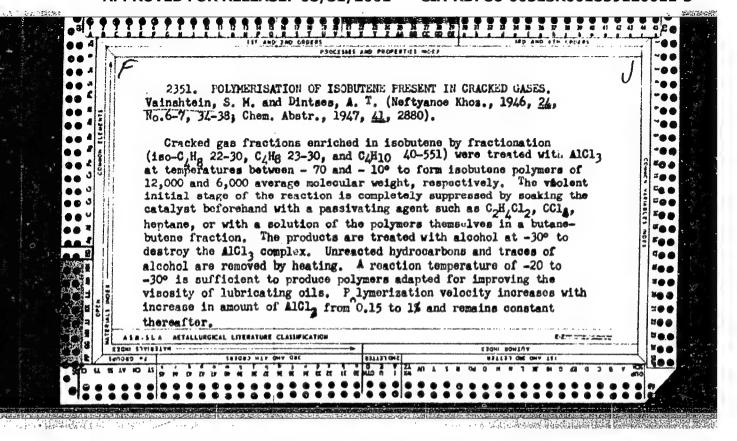
1. Elinicheskiy otdel (zav. - dots. K.A. Abramovich) Khar'kovskogo nauchno-issledovatel'skogo instituta gigiyeny truda i
professional'nykh zabolevaniy i eksperimental'nyy otdel (rukovod.st.nauchn. sotr. R.M. Glants) Ukrainskogo nauchno-issledovatel'skogo
instituta perelivaniya krovi i neotlozhnoy khirurgii.

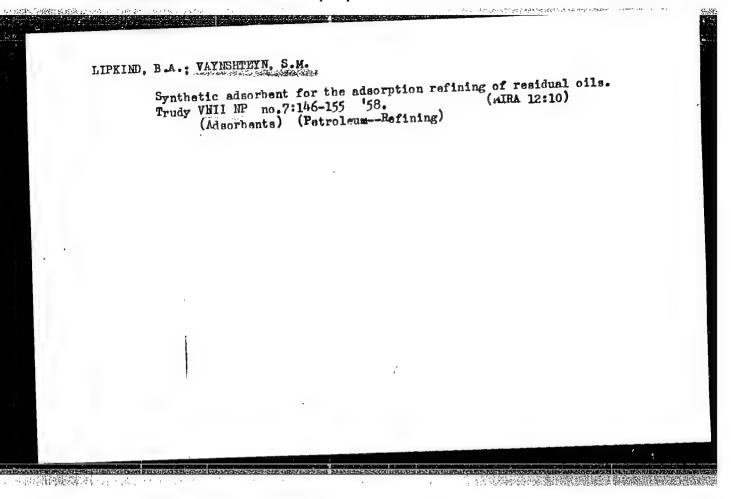
(MANGANESE-TOXICOLOGY)

(PROTHROMBIN)









VAYNOMICTIN, J. 11

128

#### PHASE I BOOK EXPLOITATION

307/6246

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

Sinteticheskiye tseolity; polucheniye, issledovaniye i primeneniye (Synthetic Zeolites: Production, Investigation, and Use). Moscow, Izd-vo AN SSSR, 1962. 286 p. (Series: Its: Doklady) Errata slip inserted. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk. Komisiya po tseolitam.

Resp. Eds.: M. M. Dubinin, Academician and V. V. Serpinskiy, Doctor of Chemical-Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P. Golub!.

PURPOSE: This book is intended for scientists and engineers engaged in the production of synthetic zeolites (molecular sieves), and for chemists in general.

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### CIA-RDP86-00513R001859120011-3

; ·	Synthetic Zeolites: (Cont.)	<b>8</b> 0¥/6246	
	COVERAGE: The book is a collection of reports proceed to Conference on Zeolites, held in Leningrad 16 to at the Leningrad Technological Institute imenipurportedly the first monograph on this subject grouped into 3 subject areas: 1) theoretical tion on various types of zeolites and methods gation, 2) the production of zeolites, and 3) zeolites. No personalities are mentioned. Redividual articles.	through 19 March 1961 i Lensovet, and 1s ot. The reports are l problems of adsorp- for their investi-	
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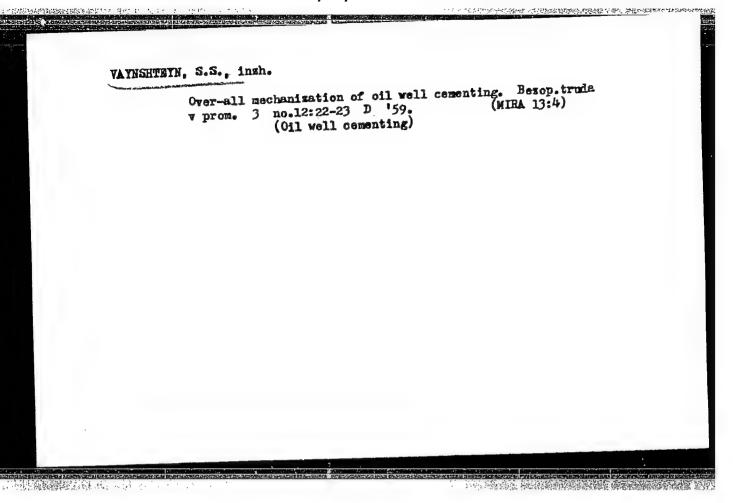
·	13.
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LYUTOV, S.A.; Prinimal uchastiye GRODNEV, I.I.; VAYNSHTEYN, S.S., red.; FRIDKIN, A.M., tekhn. red.

[Industrial radio interferences and methods for their prevention] Industrial nye pomekhi radiopriemu i bor ba s nimi.

12d.3., perer. Moskva, Gosenergoizdat, 1952. 320 p. (MIRA 16:7)

(Radio--Interference)



VAYNSHTEYN, S. S. and BERG, A. I.

What Is a Cathode-Ray Tube and a Cathode-Ray Oscilloscope? (Chto takoye elektronno-luchevaya trubka i elektronno-luchevoy ostsilloskop?) Gosenergoizdat, 1949, 66 pp.

W - 15368, 6 Dec 50

VAYNSHTEYN, S. S., IKONASHINSKIY, D. A.

Technology

(POPULAR RADIO LIBRARY)(Problems and examples for radio amateurs) Moskva, Gosenergoizdat, 112, 1951

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

VAYNSHTEYN, S.S.

[Hew to build a rectifier] Kak postroit' vypriamitel'. Moskva, Gos. energ. izd-vo, 1953. 15 p. (Massovaia radio biblioteka, no.175) (MERA 7:3) (Radio--Rectifiers)

VAYNSHTEYN, S.S.; INOCHKIN, P.T., redaktor; TAUMIN, I.M., redaktor; MASO-100, Ya.M., tekhnicheskiy redaktor.

[Mechanized oil well cementing] Mekhanizatsiia rabot pri tsementirovanii skvazhin. Moskva, Gos.nauchno-tekhn.izd-vo neftianoi i gorno-topl. lit-ry, 1954. 36 p. (MIRA 8:4) (Oil well drilling)

VAYNSHTEYN, S.S., inzhener.

Mechanized cementing of oil and gas wells. Mekh.trud.rab.10 no.11:3436 N '56.

(Mixing machinery) (Oil well cementing)

Rquipment for safe oil well drilling. Bezop.truds v prom. 1 no.5:27-29 '57. (MLRA 10:7)

(Oil well drilling)

VAYNSHTEYN, S. Ya., starshiy prepodavatel

Problems of industrial safety in diploma projects. Avtom. telem. 8 sviaz 8 no.1:12-13 Ja '64. (MIRA 17:3)

1. Khar kovskiy institut inzhererov zheleznodorozhnogo transjorta im. S.M.Kirova.

# VAYNSHTEYN, Sh.A. Large-capacity flow line has been built in six months. Prom. stroi. (MIRA 13:10)

1. Upravlyayushchiy trestom Belgorodpromstroy. (Belgorod--Cement plants)

程等程序。2. 建语言是"管理工工"是由1996年

KHOTIMCHENKO, Nikolay Mikhaylovich[Khotymchenko, M.M.]; GORELIKA, L.Ye.[Horelika, L.Ye.], doktor ekon. nauk, prof., glav. red.; VAYNSHTEYN, Sh.L., red.; DAKHKO, Yu.B., tekhn. red.

[Technical progress, organization of production and labor in the coal industry of the Ukrainian S.S.R.] Tekhnichnyi progres, organizatsiia vyrobnytstva i pratsi u vuhil'nii promyslovosti URSR. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 141 p. (MIRA 16:3)

(Ukraine-Coal mines and mining)

DEMCHENKO, V.P., kand. ekon. nauk, glav. red.; VAYNSHTEYN, Sh.I. [Vainshtein, Sh.I.], red.; LISOVETS, O.M.[Lysovets, O.M.], tekhn. red.

[Economic bases of the transition to communism of the countries of the world socialist system] Ekonomichni osnovy perekhodu krain svitovoi sotsialistychnoi systemy do komunizmu. Kyiv, vyd-vo AN URSR, 1963. 265 p. (MIRA 16:9)

1. Akademiya nauk URSR, Kiev. Instytut ekonomiky. (Communist countries—Economic conditions)

VAYNSHTEYN, S.Ya., starshiy prepodavatel

Pay more attention to safety engineering in the training of engineers. Put' i put. khoz. 8 no.7:40 '64.

(MIRA 17:10)

1. Khar'kovskiy institut inzhenerov zheleznodorozhogo transporta, Khar'kov.

KAPLAN, V.M.; VAYNSHTEYN, T.A.

Raising the qualifications of nurses. Med.sestra 21 no.8:59 Ag
'62.

(NURSES AND NURSING)

(MIRA 15:9)

### VAYNSHTEYN, T.A.

2. 计特别数据的 17

Remote results of tonsillectomy. Vest. otorinolar., Moskva 15 no.4: 51-52 July-Aug 1953. (GIML 25:1)

1. Of the Division for Diseases of the Ear, Throat, and Nose of Nikolayevsk Oblast Hospital.

VAYESHTEYN, T.A. (Nikolayev)

Treating peritonsillitis. Vrach.delo no.4:421 Ap '57. (MIRA 10:7)

1. Poliklinicheskoye otdeleniye (zav. - T.P.Radionova) Pervoy gorodskoy bol'nitay.

(TOESIIS--ABSCESS)

VAYNSHTHYN . T.A. ... Acute laryngeal edema as the result of a bee sting. Vrach.delo (MIRA 11:3)

no.1:91 Ja '58.

1. Poliklinicheskoye otdeleniye (zav.-M.B.Belkin) Pervoy gorodskoy bol'nitay g. Nikolayeva. (VENOM -- PHYSIOLOGICAL EFFECT)

CIA-RDP86-00513R001859120011-3" APPROVED FOR RELEASE: 08/31/2001

KHERSONSKIY, L.P., VAYNSHTEYN, T.A.

Primary cancer of the middle ear. Vrach.delo no.4:431-432 Ap'58
(MERA 11:6)

1. Otolaringologicheskoye otdeleniye Nikolayevskoy oblestnoy
bol'nitsy.
(EAR--CANCER)

VAYNSHTEYN, T.A.; BRATSLAVSKIY, I.Yu.

Cyst of the maxillary sinus simulating an osteoma. Zhur. ush. nos. i gorl. bol. 23 no.6:72-73 N-D '63. (MIRA 17:5)

 Iz otdeleniya bolezney ukha, gorla i nosa (zaveduyushchiy V.M. Kaplan) 4-y gorodskoy bol'nitsy g. Nikolayeva.

## VAYNSHTEYN, T.A.

Local use of antibiotics in some suppurative ear, nose and throat diseases. Zhur. ush., nos. 1 gor. bol. 24 no.1:81-82
Ja-F 164. (MIRA 18:3)

1. Iz otorinolaringologicheskogo otdeleniya (zav.- V.M. Kaplan) 4-y gorodskoy bol'nitsy goroda Nikolayeva.

VAYNSHTEYN, T.A., wrach

Prevention of chronic tonsillitis. Med. sestra 21 no.2:14-18 F 162. (MIRA 15:3)

VAYNSHTEYN, T.A., vrach

Epistaxis. Med. sestra 20 no.4:19-20 Ap '61. (MIRA 14:5)

### VAYNSHTEYN, T.A.

Case of the masking action of penicillin. Zhur. ush., nos. i gorl. bol. 21 no.1:71-72 Ja-F '61. (MIRA 14:6)

1. Iz otorinolaringologicheakogo otdeleniya (zav. - V.M.Kaplan) 4-y gorodskoy bol'nitsy g. Nikolayeva. (EAR--DISEASES) (PENICILLIN)

# VAYNSHTEYN, T.A.

Papilloma of the nasal septum. Zhur. ush., nos. i gorl. bol. 20 no. 3:69 My-Je '60. (MIRA 14:4)

VAYNSHTEYN,	T.A.	
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**拉勒城门建筑的**基本建筑中发生建设设置。

Tuberculous ulcer of the tongue. Vrach.delo no.7:747 J1 '59.

(MIRA 12:12)

1. Poliklinicheskoye otdeleniye (zav. - L.T. Zakharova) Pervoy gorodskoy bol'nitsy g. Nikolayeva.

(TONGUE--ULCERS) (TUBERCULOSIS)

# VAYNSHTEYN, TS. (Meskya)

Factory broadcasting and problems of competition. Sev.profseiusy 4 no.3:63-64 Mr 156. (MIRA 9:7)

1.Zamestetel redaktera radicinfernatsii zaveda "Serp i melet". (Mescew--Secialist competition) (Radio in industry)

RYAZANTSEV, Yu.P.; VAYNSHTEYN, TS.V.

Investigating the kinetic laws of the burning of granulated petroleum coke. Trudy GrozNII no. 15:111-118 '63.

(MIRA 17:5)

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KLEMENT'YEVA, A.I.; SKOROKHODOV, M.A., Prinimali uchastiye: ALEKSANDROV, G.P.;

BABUN, F.Ya.; BAYBARIN, P.P.; VAYHSHTEYN, TS.Z.; GUSEV, L.V.; ZHETVIN,
H.P.: KOHTSEVAYA, Ye.M.; LEVINA, M.M.; NOVLYANSKAYA, K.A.; PCDVOYSKIY, L.N.; THUNTSEV, D.S.; FLEROV, N.G.; CHIKHACHEV, I.A.; YUROV,
Yu.M.; GUDKOVA, N., red.; YEGOROVA, I., tekhn.red.

[Light over the gate] Svet nad zastavoi. Moskovskii rabochii, 1959. 422 p. (MIRA 12:4) (Moscow--Metallurgical plants).

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The second secon

VAYNSHTEYN, V., inzh.

New series of French reciprocating compressors(from "Le Revue Générale du Froid," Mar. 1957). Khol. tekh. 35 no. 3:75-76.

My-Je "58. (Gompressors)

(Gompressors)

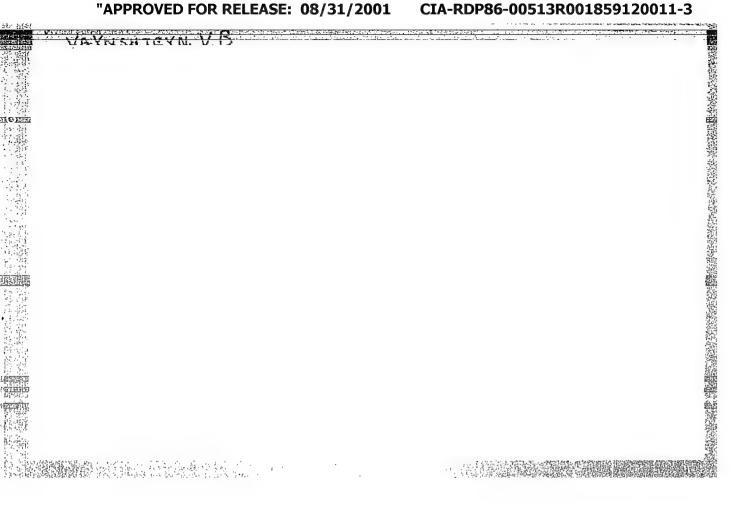
ORZHEROVSKIY, M., inzh.; VAYNSHTEYN, V.

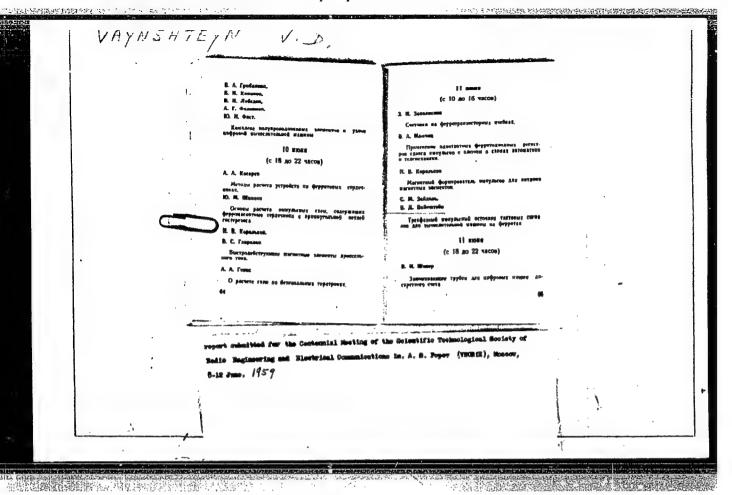
Portable unit for the chemical cleaning of marine steam boilers.

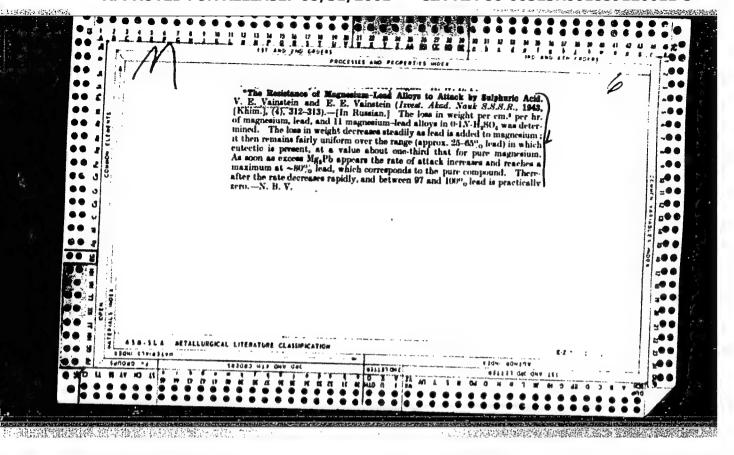
Mor. flot 23 no.4:27-429 Ap '63. (MIRA 16:5)

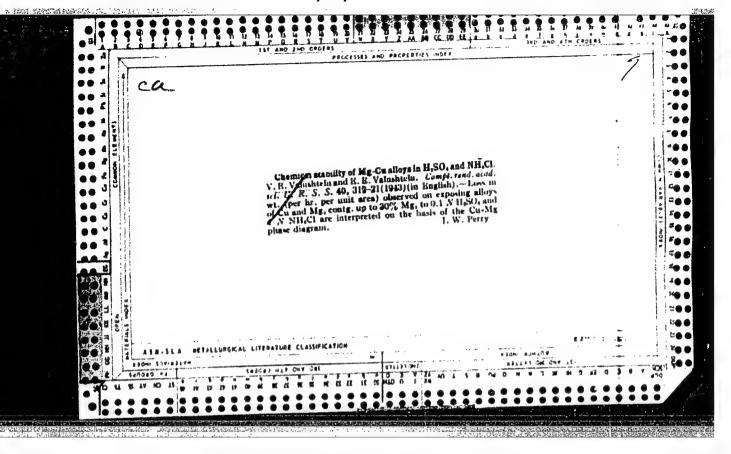
1. Nachal'nik teplotekhnicheskoy laboratorii Chernomorskogo parokhodstva (for Orzherovskiy). 2. Starshiy inzh.-konstruktor TSentral'nogo proyektno-konstruktorskogo byuro No.3 Chernomorskogo parokhodstva (for Vaynshteyn).

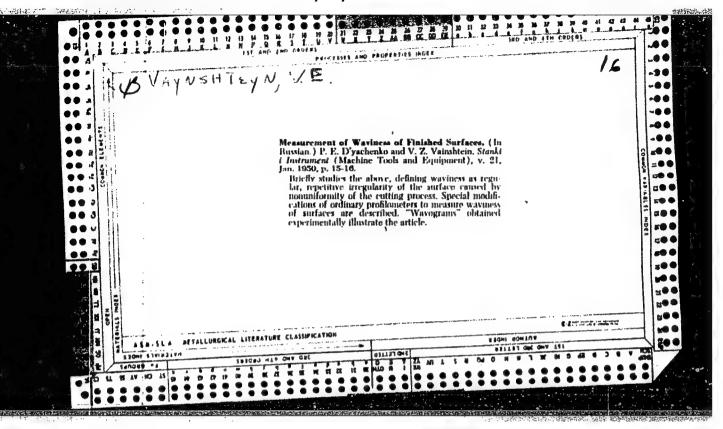
(Boilers, Marine-Cleaning)











VAYNSHTEYN, V. E.

VAYNSHTEYN, V. E. -- "Waviness of a Steel Surface and Its Effect on the Wear and Tear of Bearing Materials." Sub 28 May 52, Inst of Machine Science, and Acad Sci USSR (Dissertation for the Degree of Candidate in Technical Sciences."

SO: VECHERNAYA MOSKVA, January-December 1952

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D'YACHENKO, P.Ye.: VAYNSHTEYN, V.E.

Waviness of steel surfaces and the

Waviness of steel surfaces and its effect on the wear of bearing materials. Trudy Sem.po kach.poverkh.2:5-27 '53. (MLRA 7:2) (Surfaces (Technology)) (Bearings (Machinery))

VAYNSHTEYN, V.E., kandidat tekhnicheskikh nauk

Standardization of microgeometric surfaces. [Izd.] LOHITOMASH

Standardization of microgeometric surfaces. [Izd.] LOHITOMASH no.34:205-222 '54. (MLRA 8:10)

1. Institut mashinovedeniya Akademii nauk SSSR (Surfaces (Technology))

USSR/Engineering - Metallurgy

PD-2747

Card 1/1

Pub 41 - 8/16

Author

: VAYNSHTEYN, V. E., Moscow

Title

: Use of radioactive isotopes for the study of the wear of the structural constituents of bronze.

Periodical

: Izv. AN SSSR, Otd. Tekh, Nauk 5, 114-118, May 1955

Abstract

: Describes in detail the physical layout of the testing equipment and the introduction of the isotopes into the individual constituents of bronze. Describes interpolation of radioactive signals into units of wear. Concludes that the lead constituent in bronze has a much higher coefficient of wear than the others. The author also devotes considerable space in this article and emphasizes the use of adding 0.05 61% abrasive dust (79% 5102) to the lubricating oil. He states that the use of this dust additive greatly speeds up the break-in or seating period of bearings, while also reducing wear. He also states that the continued use of the dust additive after the break-in period increases the normal wear of bearing surfaces. Graphs, photographs, tables. Three references, all USSR.

Institution

Submitted

: April 2, 1955

# VAYNSHTEYN, V.E. Microscopic and radiographic methods for studying the shapes and sizes of worn bearing-metal particles. Zav.lab.21 no.7:337-940 (S. 10) 1. Institut mashinovedeniya Akademii namk SSSR (Mechanical wear) (Bearings (Machinery))

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SOV/137-57-11-22409

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 254 (USSR)

AUTHORS: D'yachenko, P.Ye., Nisnevich, A.I., Vaynshteyn, V.E.

TITLE: A Study of Wear in Tractor Antifriction Materials in the Pre-

sence of Dust in the Lubricant (Izucheniye iznosa antifriktsion-

nykh traktornykh materialov pri nalichii pyli v smazke)

PERIODICAL: V sb.: Izuch, iznosa detaley mashin pri pomoshchi radio-

aktivn. izotopov. Moscow, AN SSSR, 1957, pp 26-38

ABSTRACT: An investigation is made of the effect of the quantity and the

fractional composition of dust (D) upon the rate of wear upon parts (32-mm rollers) made of OTsS5-5-5 and OTsS5-5-10 bronzes activated by radioactive isotope in the melt. Direct determination of extent of wear is made on the MI friction machine. The amount of wear of the second specimen in contact therewith (a roller of Nr 20Kh carburized steel) is estimated by weighing it before the start and at the end of the test. Natural D ( $\gamma = 2.35$ ) introduced into transformer oil in quantity of 0.05 to 0.75% is used in the tests. In all of the experiments

the loading on the samples was 25 kg/cm<sup>2</sup>. It is established

Card 1/2 that the presence of D in the lubricant increases the rate of

SOV/137-57-11-22409

A Study of Wear in Tractor Antifriction Materials (cont.)

wear both of steel and of bronze, particularly in the presence of 0.1-0.15% D and more. If the lubricant contains 0.15-0.5% D, the maximum influence upon the rate of wear is that presented by the fine D fractions. During the process of wear, bronze is transferred to the steel surface, and this may distort the results of the evaluation of its resistance to wear. It is observed that the data obtained are of major significance for a correct analysis of the effectiveness of air cleaners and that in order to attain a significant drop in the wear rate of such couplings in tractor engines as between the connecting-rod small-end bushing and the piston pin (OTsS5-5-5 bronze and Nr 20Kh steel) and between the crankshaft and its bearings (Br S30 bronze and Nr 45 steel) it is necessary to strive for a reduction in entry of fine D fractions.

A.M.

Card 2/2

SOV/137-57-10-20154

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 10, p 248 (USSR)

AUTHOR: Vaynshteyn, V.E.

75.5.代為自時期間7日(本代)。

An Investigation of the Shapes and Dimensions of Wear Products TITLE:

of Bearing Materials (Issledovaniye formy i razmerov produktov iznosa podshipnikovykh materialov)

PERIODICAL: V sb.: Izuch. iznosa detaley mashin pri pomoshchi radioaktivn. izotopov. Moscow, AN SSSR, 1957, pp 100-110

An investigation is made of the shapes and dimensions of wear ABSTRACT: particles (WP) of B-83 babbitt, BrSuF6-1 antimony bronze, and Ag. The investigation employed the Stokes method and radiography, with subsequent comparison of the findings in individual cases. The B-83 specimens, in the form of partial inserts, are tested by friction against a Nr U8 journal in the Škoda-Savin machine at a pressure of 60 kg/cm<sup>2</sup>, transformer oil being the lubricant. Microscopic investigation of the WP of B-83 babbitt shows shape and size to vary with wear from a maximum of 850-875 microns (at the start

of running in) to 30-40 microns (when a steady process of wear has Card 1/2 set in). The ratio of the maximum dimension of WP to thickness

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SOV/137-57-10-20154

An Investigation of the Shapes and Dimensions of Wear Products (cont.)

changes insignificantly during the entire period of wear. Radioactive tracers are used in studying the shapes and sizes of WP of Ag and antimony bronze. With this object in mind, the bronze is activated by introduction of Sb 24 when it is cast. Agl 10 is applied to the surface of a composite bearing during electrodeposition. The WP resulting from the wear of sliding bearings with sleeves of these materials working in couples with Nr 18KhNVA steel are investigated. A special preparation containing fixed particles is used to obtain radiographic images of the WP. Inasmuch as the fixing of the preparation containing radioactive isotopes on the object glass diminished the sharpness of the image owing to reverse scattering of β radiation into the glass, this operation was run on a thin film of a cellulosenitrate varnish. It is found that the WP of bronze differ in shape from those of Ag. In a section parallel to the plane of the sensitized film their shape is nearly circular, while an irregular rectangular shape is characteristic of the WP of silver. Measurement of the WP with the Linnik twin microscope and the biological microscope, used to examine the X-rays, showed that both materials reveal a group of WP of one dominant size For the bronze, this dominant size is in the 30-150 micron range.

L.G.

Card 2/2

VAYNShtzyn, U.E.

5(2);25(1)

PHASE I BOOK EXPLOITATION

SOV/2313

Akademiya nauk SSSR. Institut mashinovedeniya

- Povysheniye stoykosti detaley mashin /sul'fidirovaniye/; sbornik statey (Increasing the Wear Resistance of Machine Parts /Sulfurization/; Collection of Articles) Moscow, Mashgiz, 1959. 126 p. Errata slip inserted. 4,500 copies printed.
- Ed. (Title page): M. M. Khrushchov, Doctor of Technical Sciences; Ed. (Inside book): A.G. Nikitin, Engineer; Tech. Ed.: V.D. El'kind; Managing Ed. for Literature on General Technical and Transport Machine Building (Mashgiz): K.A. Ponomareva, Engineer.
- PURPOSE: This collection of articles is intended for engineering and technical workers of machine-building and overhauling plants.
- COVERAGE: This book presents results of investigations of methods to increase the resistance of machine parts to seizure. A new method of sulfurization which improves the friction behavior of cast iron and steel and an analysis of the effect of sulfurization on the antifriction properties and wear of metal are given.

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Increasing the Wear Resistance (Cont.)

SOV/2313

These articles are the transactions of a seminar held at the Institute of Mechanical Engineering of the Academy of Sciences, USSR, in December 1956.

TABLE OF CONTENTS:

D'yachenko, P. Ye., Doctor of Technical Sciences. Use of Sulfurization in Czechoslovakia

The author reviews the development and introduction of sulfurization in several Czech plants. The process and its advantages are described.

Vinogradov, Yu. M., Candidate of Technical Sciences. Properties of Metals Following Thermochemical Sulfurization. Il The author describes investigations of sulfurization and other similar treatment carried out at the NIIKhIMMASh (Scientific Research Institute of Chemical Machinery) and gives formulas for the bath used, methods of operation, and results obtained.

Card 2/p

Increasing the Wear Resistance (Cont.)

SOV/2313

Vaynshteyn, V.E., and Yu. M. Vinogradov, Candidates of Technical Sciences. Investigating Wear of Sulfurized Metal Surfaces by Means of Radioactive Isotopes

The authors describe an investigation carried out by the NIIKHIMMASh (Scientific Research Institute of Chemical Machinery), in which isotope \$35 was used to determine the distribution of sulfur in the metal.

Somin, B.Kh., Candidate of Technical Sciences, and Ye. V. Gorbach-evskiy, Engineer, Sulfocyanation as a Means of Increasing Resistance to Seizure.

The authors describe the service of the surface of th

The authors describe the combined process of sulfurization and cyanation of surfaces. The mechanism and the role of both of these processes in the combined process is given.

Dombrovskaya, N.S., Doctor of Chemical Sciences, Ye. A. Alekseyeva, and N.V. Khakhlova, Engineers. Selecting Salt Baths for Sulfurization of Iron Alloys

The authors recommend the use of a salt bath as the most controllable and uniform method of sulfurization. They develop the compositions of these baths and the optimum Card 3/8

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PHASE I BOOK EXPLOITATION

SOV/3688

- Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya. Seminar po kachestvu poverkhnosti
- Kachestvo poverkhnosti detaley mashin, sbornik 4. Tekhnologicheskiye faktory obrabotki. Metrologiya i pribory. Ekspluatatsionnyye svoystva poverkhostnogo sloya (Surface Quality of Machine Parts, Collection of Articles, No. 4. Processing Factors in Machining. Metrology and Instruments. Operational Properties of the Surface Layer) Moscow, Izd-vo AN SSSR, 1959. 291 p. (Series: Its: Trudy) Errata slip inserted. 3,200 copies printed.
- Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.
- Resp. Ed.: P.Ye. D'yachenko, Professor; Ed. of Publishing House: G.B. Gorshkov; Tech. Ed.: T.P. Polenova.
- PURPOSE: This collection of articles is intended for technical personnel concerned with the quality of surface finishes of machine parts.

Card 1/7

Surface Quality (Cont.)

sov/3688

COVERAGE: This collection of articles deals with problems of surface roughness and the effect of surface roughness on the wear and strength of machine parts. Among the topics discussed are the development of international standards for surface roughness, the effect of cutting feeds and cutting-tool vibration on the surface roughness of machined parts, the effect of lay direction on the wear of plane friction surfaces, methods and instruments for measuring surface roughness, and the processing of profilograms of finished surfaces. No personalities are mentioned. References follow several of the articles.

### TABLE OF CONTENTS:

Di	yac	henko,	P	.Ye.,	V.E.	Vaynsht*	yn, and	T.M.	Karpova.	Development	_
of	а	Draft	of	the	Interr	national	Standar	ds for	Surface	Roughness	3

Chestnov,	A.L. (Deceased).	Effect of Sliding Velocity and Surface	
Roughness	of Journal on the	Wear of Sliding-Contact Bearings	13

Puzankov, V.V.	Investigation	of	the	Optimum	Surface	Roughess	of	
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D'YACHERO, P. Ye.; VAYNSHTEYN, V.E.; KARPOVA, T.H.

Developing the draft of an international standard for the roughness of surfaces. Trudy Sem.po kach.poverkh. no.4:3-12 '59.

(MIRA 13:6)

(Surfaces (Technology).—Standards)

1. 网络黑色红色 1. 电影 4. 图

D'YACHENKO, F.Ye: VAYNSHTEYN, V.E.

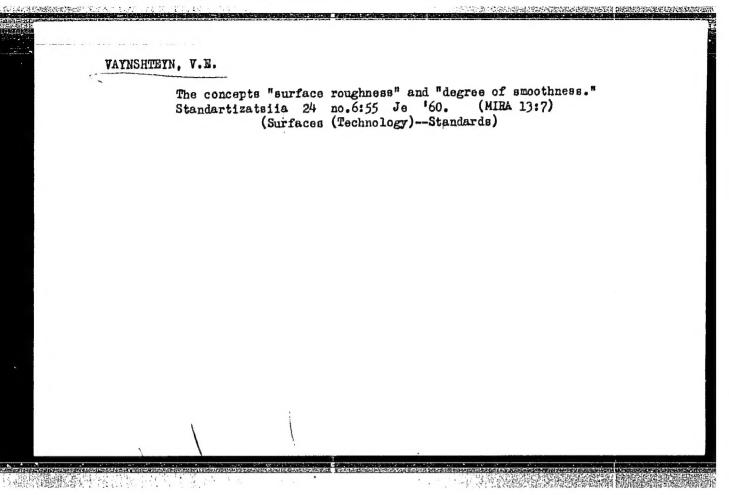
Some aspects of the standard for surface roughness. Standartizatsiia (MIRA 13:9)

(Surfaces (Technology)--Standards)

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### VAYNSHTEYN, V.E.

Conference on the quality of surfaces in the manufacure by machinery. Standartizatsiia 24 no.5:52-53 My 160. (MIRA 14:3) (Surfaces (Technology))



VAYNSHTEYN, V.E.; GROZINSKAYA, Z.P.; D'YAKOVA, A.G.

Recording the waviness of tracks of ball-bearing rings. Izm.tekh.
no.2:6-8 F '61. (MIRA 14:2)

(Ball bearings—Measurement)

D'YACHENKO, P.Ye.; VAYNSHTEYN, V.E.; GROZINSKAYA, Z.P.; D'YAKOVA, A.G.

Some problems in measuring the waviness of internal ring tracks of ball bearings. Trudy Sem.po kach.poverkh. no.5:210-218 '61. (MIRA 15:10)

(Ball bearings—Testing)